

WHAT IS CLAIMED IS:

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1. A display device comprising:

a display panel comprising a pixel portion in which a plurality of thin film transistors

5 are arranged in matrix, a source driver circuit, and a gate driver circuit;

an image signal processing circuit for processing an image signal input from an external; and

a control circuit for controlling said display panel and said image signal processing circuit,

wherein said image signal processing circuit corrects said image signal on a basis of a correction table and feeds said display panel with said corrected image signal.

2. A display panel according to claim 1, wherein said display panel is a liquid crystal display panel.

3. A display device according to claim 1, wherein said source driver circuit is a digital driver with a D/A conversion circuit.

20 4. A display device according to claim 1, wherein said image signal processing circuit comprises a correction circuit and an A/D conversion circuit.

5. A display device according to claim 1, wherein said display device is one selected from the group consisting of a projector, a goggle type display, a mobile computer, a video camera, a DVD player, and a game machine.

25 6. A display device comprising:

a display panel comprising a pixel portion in which a plurality of thin film transistors are arranged in matrix, a source driver circuit, and a gate driver circuit;

an image signal processing circuit for processing an image signal input from an external; and

5 a control circuit for controlling said display panel and said image signal processing circuit,

wherein said image signal processing circuit performs gamma correction on said image signal on a basis of a correction table and feeds said display panel with said image signal on which gamma correction has been performed.

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7. A display device according to claim 6, wherein said display panel is a liquid crystal display panel.

8. A display device according to claim 6, wherein said source driver circuit is a digital driver with a D/A conversion circuit.

9. A display device according to claim 6, wherein said image signal processing circuit comprises a correction circuit and an A/D conversion circuit.

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10. A display device according to claim 6, wherein said display device is one selected from the group consisting of a projector, a goggle type display, a mobile computer, a video camera, a DVD player, and a game machine.

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D 11. A method for operating a display device comprising the steps of:

processing an image signal input from an external by an image signal processing circuit;

controlling said image signal processing circuit and a display panel by a control circuit;  
correcting said image signal based on a correction table; and  
supplying a corrected image signal to said display panel through a correction circuit.

12. A method according to claim 11, wherein said display device is a liquid crystal display device.

13. A method according to claim 11, wherein said display device is one selected from the group consisting of a projector, a goggle type display, a mobile computer, a video camera, a DVD player, and a game machine.

14. A method for operating a display device comprising the steps of:  
processing an image signal input from an external by an image signal processing circuit;  
controlling said image signal processing circuit and a display panel by a control circuit;  
performing a gamma correction of said image signal based on a correction table; and  
supplying a corrected image signal to said display panel through a correction circuit.

15. A method according to claim 14, wherein said display device is a liquid crystal display device.

16. A method according to claim 14, wherein said display device is one selected from

the group consisting of a projector, a goggle type display, a mobile computer, a video camera, a DVD player, and a game machine.

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